



550705

Kama G.W.

JAMES J. BLANCHARD, Governor

## DEPARTMENT OF PUBLIC HEALTH

3500 N. LOGAN

P.O. BOX 30035, LANSING, MICHIGAN 48909

GLORIA R. SMITH, Ph.D., M.P.H., F.A.A.N., Director

RECEIVED  
MAR 12 1985  
GROUNDWATER-DISCONTINUED

February 27, 1985

MEMORANDUM

TO: Rick Rudolph  
Groundwater Quality Division  
Michigan Department of Natural Resources

FROM: Jessica Ratliff, Chemist  
Ground Water Quality Control Section  
Division of Water Supply

SUBJECT: Assignment of Project Numbers to Additional Bottled Water Sites

This memo is to confirm the assignment of the following project numbers to additional bottled water sites as per your telephone conversation of 2/26/85 with Jim Lahti.

<u>SITE</u>	<u>COUNTY</u>	<u>PROJECT NUMBER</u>
Residential Wells, Ovid	Shiawassee	620
Dains Residential Well, Ludington	Mason	621
Residential Well, Barrett (A-1 Disposal)	Allegan	622
Miller Residential Well, Marcellus	Cass	623
Lincoln Home and Hardware	Alcona	318
Cazell Residential Well	Kalkaska	319

Enclosed is what information we have regarding the above sites. Maps are lacking in most cases, but should be available from local health departments, particularly after additional sampling is completed.

JR:sb  
encl.

RECEIVED

MAR 01 1985

GQD REMEDIAL ACTION

# DISTRICT HEALTH DEPARTMENT NO. 2

COUNTIES  
OF

ALCONA  
IOSCO  
OGEMAW  
OSCODA

## OFFICE LOCATIONS:

ALCONA COUNTY OFFICE  
Alcona County Building  
Harrisville 48740  
Phone 724-6757

IOSCO COUNTY OFFICE  
339 So. State St.  
Oscoda 48750  
Phone 739-3281

OGEMAW COUNTY OFFICE  
Ogemaw County Building  
West Branch 48661  
Phone 345-5020

OSCODA COUNTY OFFICE  
Courthouse Annex  
Mio 48647  
Phone 826-3970

January 23, 1985

Lincoln Hardware  
Barlow Road  
Lincoln, MI 48742

Dear Mr. Krone:

Enclosed please find the analytical results of a water sample taken by myself on January 8, 1985.

Your drinking water well was sampled and analyzed for volatile halogenated and non-halogenated hydrocarbons, especially those which are components of gasoline. Five compounds were present namely: Ethylene Dibromide at 4 PPB (parts per billion), Benzene at 97 PPB, Ethylbenzene at 165 PPB, Toluene at 3 PPB and Xylene at 105 PPB.

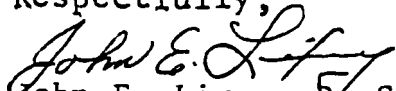
Benzene is a compound that is suspected of being a cancer causing agent, and for this reason I am recommending that you not use your water for drinking or cooking purposes.

The Water Quality Division of the Michigan Department of Natural Resources has been notified and will also investigate this problem.

Until a complete sanitary survey is completed and results are analyzed from future water samples taken in the area, the source and extent of the contamination cannot be determined at this time.

If you should have any questions regarding the above, please do not hesitate to contact me.

Respectfully,

  
John E. Lixey, E. S.  
Alcona Branch

cc: Jim Lahti, Michigan Department of Public Health  
John Alford, Department of Natural Resources

# CHEMICAL ANALYSIS OF WATER

Laboratory and Epidemiological Services Administration  
Michigan Department of Public Health  
3500 North Logan, P.O. Box 30035  
Lansing, MI 48909  
Telephone (517) 373-1428

Abbreviations: GT = Greater than given value  
MCL = State regulated maximum contaminant limit

LAB NO.: 8501-00688  
PROGRAM CODE: 14

Page 1

## REPORT TO:

District Health Dept. #2  
Courthouse Annex  
311 Lake St.  
Harrisville, MI 48740

Date received: 01/09/85  
Date reported: 01/14/85

Examiner in Charge:

## SAMPLE SOURCE INFORMATION:

System Owner: LINCOLN HARDWARE  
Street Address: F-41  
City or Twp: LINCOLN  
County: ALCON

GENOI

WSSH:  
Location/Source:  
Collected by: LIKEY  
Date Collected: 01/08/85

Test Name	Test Result	Standard Health MCL	Detection Test Limit
BROMOETHANE	Not Detected		0.001mg/l
BROMOFORM	Not Detected	0.10mg/l	0.001mg/l
CARBON TETRACHLORIDE	Not Detected		0.001mg/l
CHLOROBENZENE	Not Detected		0.001mg/l
CHLORODIBROMOMETHANE	Not Detected	0.10mg/l	0.001mg/l
CHLOROETHANE	Not Detected		0.010mg/l
CHLOROFORM	Not Detected	0.10mg/l	0.001mg/l
DICHLOROBROMOMETHANE	Not Detected	0.10mg/l	0.001mg/l
DICHLOROETHANE, 1,2-	Not Detected		0.001mg/l
DICHLOROETHANE, 1,1-	Not Detected		0.001mg/l
DICHLOROETHYLENE, TRANS-1,2,	Not Detected		0.001mg/l
DICHLOROETHYLENE, CIS-1,2,	Not Detected		0.001mg/l
DICHLOROPROPANE, 1,2-	Not Detected		0.001mg/l
DICHLOROPROPYLENE, TRANS-1,3,	Not Detected		0.001mg/l
DICHLOROPROPYLENE, CIS-1,3,	Not Detected		0.001mg/l
ETHYLENE DIBROMIDE	0.004mg/l		
FLUOROTRICHLOROMETHANE	Not Detected		0.010mg/l
HEXACHLOROETHANE	Not Detected		0.001mg/l
METHYL BROMIDE	Not Detected		0.001mg/l
METHYL CHLORIDE	Not Detected		0.050mg/l
METHYLENE CHLORIDE	Not Detected		0.001mg/l
TETRACHLOROETHANE, 1,1,2,2-	Not Detected		0.001mg/l
TETRACHLOROETHYLENE	Not Detected		0.001mg/l
TOTAL TRIHALOMETHANES	Not Detected	0.10mg/l	0.001mg/l
TRICHLOROETHANE, 1,1,2-	Not Detected		0.001mg/l
TRICHLOROETHANE, 1,1,1-	Not Detected		0.001mg/l
TRICHLOROETHYLENE	Not Detected		0.001mg/l
VINYL CHLORIDE	Not Detected		0.005mg/l
VINYLDENE CHLORIDE	Not Detected		0.001mg/l
BENZENE	0.097mg/l		
DICHLOROBENZENE, 1,4-	Not Detected		0.001mg/l

(CONTINUED)

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Examiner in Charge:

## SAMPLE SOURCE INFORMATION:

System Owner: LINCOLN HARDWARE  
Street Address: F-41  
City or Twp: LINCOLN  
County: ALCON

WSSN:  
Location/Source:  
Collected by: LIXEY  
Date Collected: 01/08/85

Test Name	Test Result	Standard Health MCL	Detection. Test Limit
DICHLOROBENZENE, 1,3-	Not Detected		0.001mg/l
DICHLOROBENZENE, 1,2-	Not Detected		0.001mg/l
ETHYLBENZENE	0.165mg/l		
METHYLETHYL KETONE	Not Detected		0.02mg/l
METHYL ISOBUTYL KETONE	Not Detected		0.020mg/l
STYRENE	Not Detected		0.001mg/l
TOLUENE	0.003mg/l		
XYLENE-	0.105mg/l		

Note: Analysis indicated the presence of a multicomponent hydrocarbon similar to gasoline.